# Eleanor J Mackie

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 7,598 citations | 76294 40 h-index | 51562 86 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 6956 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tenascin: an extracellular matrix protein involved in tissue interactions during fetal development and oncogenesis. Cell, 1986, 47, 131-139. | 13.5 | 963 |
| 2 | Endochondral ossification: How cartilage is converted into bone in the developing skeleton. International Journal of Biochemistry and Cell Biology, 2008, 40, 46-62. | 1.2 | 763 |
| 3 | Intracortical remodelling and porosity in the distal radius and post-mortem femurs of women: a cross-sectional study. Lancet, The, 2010, 375, 1729-1736. | 6.3 | 715 |
| 4 | Induction of tenascin in healing wounds.. Journal of Cell Biology, 1988, 107, 2757-2767. | 2.3 | 534 |
| 5 | Tenascin is associated with chondrogenic and osteogenic differentiation in vivo and promotes chondrogenesis in vitro.. Journal of Cell Biology, 1987, 105, 2569-2579. | 2.3 | 348 |
| 6 | The skeleton: a multi-functional complex organ. The growth plate chondrocyte and endochondral ossification. Journal of Endocrinology, 2011, 211, 109-121. | 1.2 | 346 |
| 7 | Tenascin is a stromal marker for epithelial malignancy in the mammary gland.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 4621-4625. | 3.3 | 238 |
| 8 | Arginine-Specific Protease fromPorphyromonas gingivalis Activates Protease-Activated Receptors on Human Oral Epithelial Cells and Induces Interleukin-6 Secretion. Infection and Immunity, 2001, 69, 5121-5130. | 1.0 | 227 |
| 9 | Osteoblasts: novel roles in orchestration of skeletal architecture. International Journal of Biochemistry and Cell Biology, 2003, 35, 1301-1305. | 1.2 | 212 |
| 10 | Epithelial induction of stromal tenascin in the mouse mammary gland: From embryogenesis to carcinogenesis. Developmental Biology, 1988, 128, 245-255. | 0.9 | 176 |
| 11 | Cleavage and activation of proteinaseâ€activated receptorâ€2 on human neutrophils by gingipainâ€R from <i>Porphyromonas gingivalis</i>. FEBS Letters, 1998, 435, 45-48. | 1.3 | 150 |
| 12 | The high-molecular-weight J1 glycoproteins are immunochemically related to tenascin. Differentiation, 1988, 37, 104-114. | 1.0 | 122 |
| 13 | Stimulation of bone formation in vivo by transforming growth factor-Î²: Remodeling of woven bone and lack of inhibition by indomethacin. Bone, 1990, 11, 295-300. | 1.4 | 118 |
| 14 | Tenascin expression in the mouse: in situ localization and induction in vitro by bFGF. Journal of Cell Science, 1993, 104, 69-76. | 1.2 | 105 |
| 15 | Osteopontin and skeletal muscle myoblasts: Association with muscle regeneration and regulation of myoblast function in vitro. International Journal of Biochemistry and Cell Biology, 2008, 40, 2303-2314. | 1.2 | 97 |
| 16 | Immunohistochemical Localization of the Matrix Glycoproteins-Tenascin and the ED-sequence-containing Form of Cellular Fibronectinâ€"in Human Permanent Teeth and Periodontal Ligament. Journal of Dental Research, 1991, 70, 19-26. | 2.5 | 87 |
| 17 | Adhesive properties of isolated chick osteocytes in vitro. Bone, 1996, 18, 305-313. | 1.4 | 85 |
| 18 | Tenascin-C. International Journal of Biochemistry and Cell Biology, 1997, 29, 1133-1137. | 1.2 | 84 |

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|---|---|---|---|
| 19 | Tenascin expression in hyperproliferative skin diseases. British Journal of Dermatology, 1991, 124, 13-20. | 1.4 | 81 |
| 20 | Third metacarpal condylar fatigue fractures in equine athletes occur within previously modelled subchondral bone. Bone, 2010, 47, 826-831. | 1.4 | 78 |
| 21 | Comprehensive Profiling of Cartilage Extracellular Matrix Formation and Maturation Using Sequential Extraction and Label-free Quantitative Proteomics. Molecular and Cellular Proteomics, 2010, 9, 1296-1313. | 2.5 | 73 |
| 22 | Osteopontin, inflammation and myogenesis: influencing regeneration, fibrosis and size of skeletal muscle. Journal of Cell Communication and Signaling, 2014, 8, 95-103. | 1.8 | 73 |
| 23 | EphrinB2 signaling in osteoblasts promotes bone mineralization by preventing apoptosis. FASEB Journal, 2014, 28, 4482-4496. | 0.2 | 70 |
| 24 | Inhibition of osteoblast apoptosis by thrombin. Bone, 2003, 33, 733-743. | 1.4 | 69 |
| 25 | Thrombin, a Survival Factor for Cultured Myoblasts. Journal of Biological Chemistry, 1999, 274, 9169-9174. | 1.6 | 66 |
| 26 | Physiological death of hypertrophic chondrocytes. Osteoarthritis and Cartilage, 2007, 15, 575-586. | 0.6 | 66 |
| 27 | Protease-Activated Receptors: A Means of Converting Extracellular Proteolysis into Intracellular Signals. IUBMB Life, 2002, 53, 277-281. | 1.5 | 60 |
| 28 | Expression of protease-activated receptor-2 by osteoblasts. Bone, 2000, 26, 7-14. | 1.4 | 59 |
| 29 | Expression of Tenascin-C in Bones Responding to Mechanical Load. Journal of Bone and Mineral Research, 1997, 12, 52-58. | 3.1 | 53 |
| 30 | Establishment of a Model of Cortical Bone Repair in Mice. Calcified Tissue International, 2003, 73, 49-55. | 1.5 | 53 |
| 31 | Transcriptional Profiling of Chondrodysplasia Growth Plate Cartilage Reveals Adaptive ER-Stress Networks That Allow Survival but Disrupt Hypertrophy. PLoS ONE, 2011, 6, e24600. | 1.1 | 50 |
| 32 | The Role of Protease-Activated Receptor-1 in Bone Healing. American Journal of Pathology, 2005, 166, 857-868. | 1.9 | 48 |
| 33 | Increased autophagy in EphrinB2-deficient osteocytes is associated with elevated secondary mineralization and brittle bone. Nature Communications, 2019, 10, 3436. | 5.8 | 48 |
| 34 | Modulation of Osteoblast-like Cell Behavior by Activation of Protease-Activated Receptor-1. Journal of Bone and Mineral Research, 1999, 14, 1320-1329. | 3.1 | 46 |
| 35 | Evidence for the activation of PAR-2 by the sperm protease, acrosin: expression of the receptor on oocytes. FEBS Letters, 2000, 484, 285-290. | 1.3 | 46 |
| 36 | Osteopontin deficiency delays inflammatory infiltration and the onset of muscle regeneration in a model of muscle injury. DMM Disease Models and Mechanisms, 2013, 6, 197-205. | 1.2 | 46 |

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|---|---|---|---|
| 37 | The role of tenascin-C and related glycoproteins in early chondrogenesis. , 1998, 43, 102-110. | | 45 |
| 38 | Expression of protease-activated receptor-2 during embryonic development. Developmental Dynamics, 2000, 218, 465-471. | 0.8 | 45 |
| 39 | Subchondral bone microdamage accumulation in distal metacarpus of Thoroughbred racehorses. Equine Veterinary Journal, 2018, 50, 766-773. | 0.9 | 45 |
| 40 | Cartilage canals in equine articular/epiphyseal growth cartilage and a possible association with dyschondroplasia. Equine Veterinary Journal, 1997, 29, 360-364. | 0.9 | 44 |
| 41 | Protease-activated receptors in the musculoskeletal system. International Journal of Biochemistry and Cell Biology, 2008, 40, 1169-1184. | 1.2 | 44 |
| 42 | Comparison of the distribution patterns of tenascin and alkaline phosphatase in developing teeth, cartilage, and bone of rats and mice. The Anatomical Record, 1990, 228, 69-76. | 2.3 | 41 |
| 43 | Immunohistochemical localization of the matrix glycoprotein tenascin in the skull of the growing rat. Archives of Oral Biology, 1988, 33, 383-390. | 0.8 | 40 |
| 44 | Activation of Protease-Activated Receptor-2 Leads to Inhibition of Osteoclast Differentiation. Journal of Bone and Mineral Research, 2003, 19, 507-516. | 3.1 | 39 |
| 45 | Thrombin-stimulated growth factor and cytokine expression in osteoblasts is mediated by protease-activated receptor-1 and prostanoids. Bone, 2009, 44, 813-821. | 1.4 | 39 |
| 46 | Tenascin expression in basal cell carcinoma. British Journal of Dermatology, 1992, 127, 571-574. | 1.4 | 38 |
| 47 | Expression of the Thrombin Receptor in Developing Bone and Associated Tissues. Journal of Bone and Mineral Research, 1998, 13, 818-827. | 3.1 | 34 |
| 48 | Regulation of Tenascin-C Expression in Bone Cells by Transforming Growth Factor-Î². Bone, 1998, 22, 301-307. | 1.4 | 34 |
| 49 | Altered gene expression in early osteochondrosis lesions. Journal of Orthopaedic Research, 2009, 27, 452-457. | 1.2 | 33 |
| 50 | Studies on the receptors mediating responses of osteoblasts to thrombin. International Journal of Biochemistry and Cell Biology, 2005, 37, 206-213. | 1.2 | 29 |
| 51 | Responses <i>in vivo</i> to purified poly(3â€hydroxybutyrateâ€<i>co</i>â€3â€hydroxyvalerate) implanted in a murine tibial defect model. Journal of Biomedical Materials Research - Part A, 2009, 91A, 845-854. | 2.1 | 29 |
| 52 | Protease-Activated Receptor 2 Has Pivotal Roles in Cellular Mechanisms Involved in Experimental Periodontitis. Infection and Immunity, 2010, 78, 629-638. | 1.0 | 28 |
| 53 | Protease-Activated Receptor-1 Down-regulates the Murine Inflammatory and Humoral Response to Helicobacter pylori. Gastroenterology, 2010, 138, 573-582. | 0.6 | 28 |
| 54 | High Molecular Weight Gingipains from <i>Porphyromonas gingivalis</i> Induce Cytokine Responses from Human Macrophage-Like Cells via a Nonproteolytic Mechanism. Journal of Innate Immunity, 2009, 1, 109-117. | 1.8 | 25 |

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|---|---|---|---|
| 55 | Proteinase-activated receptor-2 is required for normal osteoblast and osteoclast differentiation during skeletal growth and repair. Bone, 2012, 50, 704-712. | 1.4 | 25 |
| 56 | Hyaluronan Synthesis and Myogenesis. Journal of Biological Chemistry, 2013, 288, 13006-13021. | 1.6 | 25 |
| 57 | Chondrocytic EphrinB2 promotes cartilage destruction by osteoclasts in endochondral ossification. Development (Cambridge), 2016, 143, 648-57. | 1.2 | 25 |
| 58 | Role of subchondral bone remodelling in collapse of the articular surface of <scp>T</scp>horoughbred racehorses with palmar osteochondral disease. Equine Veterinary Journal, 2016, 48, 228-233. | 0.9 | 24 |
| 59 | Normal inflammation and regeneration of muscle following injury require osteopontin from both muscle and non-muscle cells. Skeletal Muscle, 2019, 9, 6. | 1.9 | 22 |
| 60 | Can highâ€resolution peripheral quantitative computed tomography imaging of subchondral and cortical bone predict condylar fracture in <scp>T</scp>horoughbred racehorses?. Equine Veterinary Journal, 2015, 47, 428-432. | 0.9 | 21 |
| 61 | Evaluation of antibodies directed against human protease-activated receptor-2. Naunyn-Schmiedeberg's Archives of Pharmacology, 2012, 385, 861-873. | 1.4 | 20 |
| 62 | The antiepileptic medications carbamazepine and phenytoin inhibit native sodium currents in murine osteoblasts. Epilepsia, 2016, 57, 1398-1405. | 2.6 | 20 |
| 63 | Functional responses of bone cells to thrombin. Biological Chemistry, 2006, 387, 1037-1041. | 1.2 | 19 |
| 64 | Exercise-induced inhibition of remodelling is focally offset with fatigue fracture in racehorses. Osteoporosis International, 2013, 24, 2043-2048. | 1.3 | 18 |
| 65 | Tenascin-C induced stimulation of chondrogenesis is dependent on the presence of the C-terminal fibrinogen-like globular domain. FEBS Letters, 2000, 480, 189-192. | 1.3 | 16 |
| 66 | Thrombin inhibits osteoclast differentiation through a non-proteolytic mechanism. Journal of Molecular Endocrinology, 2013, 50, 347-359. | 1.1 | 16 |
| 67 | Modulating chondrocyte hypertrophy in growth plate and osteoarthritic cartilage. Journal of Musculoskeletal Neuronal Interactions, 2008, 8, 308-10. | 0.1 | 16 |
| 68 | The differential effects of stanozolol on human skin and synovial fibroblastsin vitro: DNA synthesis and receptor binding. Agents and Actions, 1994, 41, 37-43. | 0.7 | 15 |
| 69 | Thrombin Is a Pro-Fibrotic Factor for Rat Renal Fibroblasts in vitro. Nephron Experimental Nephrology, 2005, 101, e42-e49. | 2.4 | 15 |
| 70 | Proteinaseâ€activated receptorâ€2 (PAR<sub>2</sub>) and mouse osteoblasts: Regulation of cell function and lack of specificity of PAR<sub>2</sub>â€activating peptides. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 328-336. | 0.9 | 15 |
| 71 | Periostin expression distinguishes between light and dark hypertrophic chondrocytes. International Journal of Biochemistry and Cell Biology, 2010, 42, 880-889. | 1.2 | 15 |
| 72 | Identification of novel osteochondrosisâ€" Associated genes. Journal of Orthopaedic Research, 2016, 34, 404-411. | 1.2 | 15 |

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| 73 | Cholera toxin and forskolin stimulate formation of osteoclast-like cells in mouse marrow cultures and cultured mouse calvarial bones. European Journal of Oral Sciences, 1999, 107, 45-54. | 0.7 | 14 |
| 74 | Expression of tenascin in perifollicular connective tissue: comparison of normal scalp and alopecia areata. Archives of Dermatological Research, 1991, 283, 86-90. | 1.1 | 13 |
| 75 | Dissection of Protease-Activated Receptor-1-Dependent and -Independent Responses to Thrombin in Skeletal Myoblasts. Experimental Cell Research, 2002, 274, 149-156. | 1.2 | 13 |
| 76 | Prevalence of subchondral bone pathological changes in the distal metacarpi/metatarsi of racing Thoroughbred horses. Australian Veterinary Journal, 2017, 95, 362-369. | 0.5 | 13 |
| 77 | Hypertrophy and physiological death of equine chondrocytes <i>in vitro</i>. Equine Veterinary Journal, 2007, 39, 546-552. | 0.9 | 12 |
| 78 | Tumour progression and cancer-induced pain: A role for protease-activated receptor-2?. International Journal of Biochemistry and Cell Biology, 2014, 57, 149-156. | 1.2 | 9 |
| 79 | Microstructural properties of the proximal sesamoid bones of Thoroughbred racehorses in training. Equine Veterinary Journal, 2021, 53, 1169-1177. | 0.9 | 9 |
| 80 | Keratinocyte-specific ablation of protease-activated receptor 2 prevents gingival inflammation and bone loss in a mouse model of periodontal disease. Cellular Microbiology, 2018, 20, e12891. | 1.1 | 8 |
| 81 | Immunohistochemical localization of a tenascin-like extracellular matrix protein in sea urchin embryos. Roux's Archives of Developmental Biology, 1990, 199, 169-173. | 1.2 | 7 |
| 82 | Myoblasts Isolated from Hypertrophy-Responsive Callipyge Muscles Show Altered Growth Rates and Increased Resistance to Serum Deprivation-Induced Apoptosis. Cells Tissues Organs, 2008, 187, 141-151. | 1.3 | 7 |
| 83 | Identification of light and dark hypertrophic chondrocytes in mouse and rat chondrocyte pellet cultures. Tissue and Cell, 2010, 42, 121-128. | 1.0 | 6 |
| 84 | The vacuolar H + ATPase V 0 subunit d 2 is associated with chondrocyte hypertrophy and supports chondrocyte differentiation. Bone Reports, 2017, 7, 98-107. | 0.2 | 6 |
| 85 | Immunohistochemical localization of tenascin and fibronectin in the dentine and gingiva of Canis familiaris. Archives of Oral Biology, 1991, 36, 165-170. | 0.8 | 5 |
| 86 | The gingipains from <i>Porphyromonas gingivalis</i> do not directly induce osteoclast differentiation in primary mouse bone marrow cultures. Journal of Periodontal Research, 2009, 44, 565-567. | 1.4 | 5 |
| 87 | Contractile properties of slow and fast skeletal muscles from protease activated receptorâ€1 null mice. Muscle and Nerve, 2014, 50, 991-998. | 1.0 | 3 |
| 88 | A T cell-specific knockout reveals an important role for protease-activated receptor 2 in lymphocyte development. International Journal of Biochemistry and Cell Biology, 2017, 92, 95-103. | 1.2 | 3 |
| 89 | Protease-activated receptor-2 promotes osteogenesis in skeletal mesenchymal stem cells at the expense of adipogenesis: Involvement of interleukin-6. Bone Reports, 2021, 15, 101113. | 0.2 | 2 |
| 90 | Associations between the radiographic appearance of vascular channels in proximal sesamoid bones, their microstructural characteristics and past racing performance in Thoroughbreds. Equine Veterinary Journal, 2020, 52, 670-677. | 0.9 | 1 |

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|---|---|---|---|
| 91 | Tenascin: an extracellular matrix protein associated with bone growth. , 1996, , 87-98. | | 0 |
| 92 | Growth Plate Borderline Chondrocytes: A New Source of Metaphyseal Mesenchymal Precursors. Journal of Bone and Mineral Research, 2019, 34, 1385-1386. | 3.1 | 0 |
| 93 | Proteaseâ€activated receptorâ€2 dependent and independent responses of bone cells to prostate cancer cell secretory products. Prostate, 2022, 82, 723-739. | 1.2 | 0 |